#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Pepicelli et al.

Serial No.: 09/394,020

Filed: September 10, 1999

For: Regulation of Lung Tissue by Hedgehog-Like Polypeptides, and Formulations and Uses Related

Thereto

Examiner: Janet Andres

Group Art Unit: 1642

Attorney Docket No.: HUV-032.01

119

Assistant Commissioner for Patents Washington, D.C. 20231

Certificate	of First	Class	Mailing
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date set forth below.

June 30, 2000

By:

L.E. Cole

Date of Signature and Mail Deposit

C. Eugene Coker

#### Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures

Dear Sir:

In response to the Office Communication dated January 28, 2000 in the above-referenced application, Applicants submit herewith a paper copy and computer readable form of a substitute Sequence Listing. A copy of the Notice to Comply is also included.

In accordance with §1.821(f), I hereby state that the information recorded in computer readable form on the enclosed diskette is identical to that in the paper copy of Sequence Listing enclosed herein.

In accordance with §1.821(g), I hereby state that the sequences contained in this sequence listing are supported in the application as filed. Neither the paper copy, nor the computer readable form of the Sequence Listing contains new matter.

If a telephone conversation with Applicant's Attorney would expedite prosecution of the above-identified application, the Examiner is urged to call the undersigned at (617) 832-1000.

Respectfully submitted, FOLEY, HOAG & ELIOT LLP

Isabelle M. Clauss, Ph.D. Attorney for Applicants Reg. No. (see attached)

Patent Group FOLEY, HOAG & ELIOT LLP One Post Office Square Boston, MA 02109 (617) 832-1000

Date: June 30, 2000

Application No.: <u>09/394020</u>

# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

X	<ol> <li>This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.</li> </ol>
	2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
	3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
×	4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
	5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
	6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
	7. Other:
αA	plicant Must Provide:
X	An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
X	An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
X	A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
Fo	or questions regarding compliance to these requirements, please contact:
Fo	or Rules Interpretation, call (703) 308-4216
Fo	or CRF Submission Help, call (703) 308-4212
Pa	atentIn Software Program Support (SIRA)  Technical Assistance
	Technical Assistance703-306-2600  To Purchase Patentin Software703-306-2600
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PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE



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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.				
09394020	09/10/99	Pepicelli	HUV-032.01				
		1					

EXAMINER

Janet Andres, Ph.D.

ART UNIT PAPER NUMBER

1642 10

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

The sequence filed on 09/10/99 is not fully compliant for the reasons set forth on the attached Notice to Comply with the Sequence Rules or CRF diskette problem report.

Since the filing appears to be bona fide, but through an apparent oversight or inadvertence failed to comply, APPLICANT IS GIVEN ONE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.136(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Janet Andres, Ph.D., whose telephone number is (703)305-0557. The examiner can normally be reached on Monday through Friday from 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Paula Hutzell, can be reached at (703)308-2731. The fax phone number for this Group is (703)305-3014 or (703)308-4242.

Communications via Internet email regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [paula.hutzell@uspto.gov].

All Internet email communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the

Interim Usernet Policy published in the Official Gazette of the Patent and Trademark Office on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-0196.

Janet Andres
Patent Examiner
01/27/00

YVONNE EYLER, PH.D PRIMARY EXAMINER

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (617) 832-1000

(B) TELEFAX: (617) 832-7000

PAGE: 1

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#### RAW SEQUENCE LISTING PATENT APPLICATION US/09/394,020

DATE: 01/10/2000 TIME: 23:57:41

INPUT SET: S34406.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

SEQUENCE LISTING 1 General Information: Does Not Comply (1) Corrected Diskette Needed (i) APPLICANT: Pepicelli, Carmen V Lewis, Paula M McMahon, Andrew P 8 (ii) TITLE OF INVENTION: Regulation of Lung Tissue by Hedgehog-like Polypeptides, and Formulations and Uses 9 10 Related Thereto 11 12 (iii) NUMBER OF SEQUENCES: 24 13 14 (iv) CORRESPONDENCE ADDRESS: 15 (A) ADDRESSEE: Foley, Hoag & Eliot, llp 16 (B) STREET: One Post Office Square 17 (C) CITY: Boston 18 (D) STATE: MA 19 (E) COUNTRY: USA 20 (F) ZIP: 02109 21 (v) COMPUTER READABLE FORM: 23 (A) MEDIUM TYPE: Floppy disk 24 (B) COMPUTER: IBM PC compatible 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS 26 (D) SOFTWARE: ASCII(text) 27 (A) APPLICATION DATA: US 09/099.952

(B) FILING DATE: 10-SEP-1999

(C) CLASSIFICATION:

(A) APPLICATION DATA:

(A) APPLICATION DATA:

(B) FILING DATE: 11-SEP-1999

(C) CLASSIFICATION DATA:

(A) APPLICATION NUMBER: US 60/099,952

(B) FILING DATE: 11-SEP-1999

(C) CLASSIFICATION NUMBER: US 60/099,952

(B) FILING DATE: 11-SEP-1999

(C) CLASSIFICATION NUMBER: US 60/099,952 (vi) CURRENT APPLICATION DATA: US cq/394,C20 28 29 30 31 32 33 (vii) PRIOR APPLICATION DATA: 34 35 36 37 (viii) ATTORNEY/AGENT INFORMATION: 38 (A) NAME: Vincent, Matthew P 39 (B) REGISTRATION NUMBER: 36,709 40 (C) REFERENCE/DOCKET NUMBER: HUV-032.01 41

## RAW SEQUENCE LISTING PATENT APPLICATION US/09/394,020

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#### ERRORED SEQUENCES FOLLOW:

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# SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/394,020

DATE: 01/10/2000 TIME: 23:57:42

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Line	Error	Original Text
30	Wrong application Serial Number	(A) APPLICATION NUMBER: US 09/099,952 (A) LENGTH: 1191 base pairs CGG CTC CTC TAC CGC TTA GCG GAG GAG CTA CT